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12/08/97



UTILITY PATENT  
APPLICATION  
TRANSMITTAL

(Only for new nonprovisional  
applications under 37 CFR 1.53(b))

Attorney Docket No.: A31399

First Named Inventor: Edward F. Leonard

Express Mail Label No.: EI 476 237 351 US

December 8, 1997

**BY EXPRESS MAIL**

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

Sir:

Enclosed herewith for filing is a patent application of

1 - Edward F. Leonard

2 - Rene Chevray

entitled

RECOVERY OF FETAL CELLS FROM MATERNAL BLOOD USING CHAOTIC ADVECTION

which includes:

- ☒ Specification, Claims, Abstract 11 Pages  
☒ Drawing(s) 1 Sheet  
☐ Combined Declaration and Power of Attorney \_\_\_\_\_ Total Pages  
☐ Newly executed (original or copy)  
☐ Copy from a prior application  
(for continuation/divisional only - must be filed to avoid surcharge for late filing)

- ☐ Continuation ☐ Divisional ☐ Continuation-In-Part (CIP)  
of prior application No. \_\_\_\_/\_\_\_\_

☒ An Assignment of the invention to THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF  
NEW YORK

☐ is attached. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.

☒ will follow.

☐ Certified Copy of Priority Document(s) Country \_\_\_\_\_, No. \_\_\_\_\_, filed \_\_\_\_\_.

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☒ Small Entity Statement(s) will follow.

☐ Small Entity Statement filed in prior application. Status still proper and desired.

☐ Information Disclosure Statement (IDS) PTO-1449

☐ Copies of IDS Citations.

☒ Return Receipt Postcard

☐ Other \_\_\_\_\_

The filing fee has been calculated as shown below:

FOR	(Col. 1) No. Filed	(Col. 2) No. Extra	Small Entity Rate	Fee	OR	Other Than A Small Entity Rate	Fee
Basic Fee				\$395			
Total Claims	18	-20=	x \$11=	\$		x \$22 =	
Ind. Claims	3	-3 =	x \$41 =	\$		x \$82 =	
Multiple Dependent Claim			+ \$135 =	\$		+\$270=	
			Total	\$395			

\* If the difference in Col. 1 is less than zero, enter "0" in Col. 2.

Fee Payment Being Made:

☒ Enclosed

☒ Basic filing fee \$395.00

☐ Recording Assignment  
[\$40.00; 37 CFR 1.21(h)] \$

Total Fees Enclosed \$395.00

☐ A check in the amount of \$ to cover filing fee and assignment recordation fee is enclosed.

☒ The Commissioner is hereby authorized to charge payment of the filing fee to Deposit Account No. 02-4377. Two copies of this sheet are enclosed.

BAKER & BOTTS, L.L.P.

By Peter A. Businger  
Peter A. Businger, PTO Registration No. 27,862

Enclosures